

EXAMPLE CERTIFICATE OF ANALYSIS

Product :	NITRIC ACID 69.5 % MICROPUR
Grade :	VLSI
Lot N° :	"Example"
Manufacturing Date :	"Example"
Expiration Date :	"Example"

Analysis	Specifications	Results
Assay	69.5 ± 0.5 %	69.3 %
Density at 20°C	1.42	1.42
Chloride	0.05 ppm	<0.05 ppm
Sulfate	0.5 ppm	<0.5 ppm
Phosphate	0.5 ppm	<0.5 ppm
Fluoride	0.5 ppm	<0.5 ppm
Silicate	2 ppm	<2 ppm
Nitrite	32 ppm	<32 ppm
Color	10 APHA	<10
Residue	2 ppm	<2 ppm
Heavy metals (Pb)	0.2 ppm	<0.2 ppm
Cations		
Aluminium (Al)	20 ppb	<10 ppb
Antimony (Sb)	5 ppb	<5 ppb
Arsenic (As)	5 ppb	<5 ppb
Barium (Ba)	10 ppb	<5 ppb
Beryllium (Be)	10 ppb	<5 ppb
Bismuth (Bi)	20 ppb	<10 ppb
Boron (B)	10 ppb	<5 ppb
Cadmium (Cd)	10 ppb	<5 ppb
Calcium (Ca)	50 ppb	<20 ppb
Chromium (Cr)	20 ppb	<10 ppb
Cobalt (Co)	10 ppb	<5 ppb
Copper (Cu)	10 ppb	<5 ppb
Gallium (Ga)	20 ppb	<10 ppb
Germanium (Ge)	20 ppb	<10 ppb
Gold (Au)	10 ppb	<5 ppb
Iron (Fe)	40 ppb	<20 ppb
Indium (In)	20 ppb	<10 ppb
Lead (Pb)	10 ppb	<5 ppb
Lithium (Li)	10 ppb	<5 ppb
Magnesium (Mg)	20 ppb	<10 ppb
Manganese (Mn)	10 ppb	<5 ppb
Mercury (Hg)	20 ppb	<10 ppb
Molybdenum (Mo)	10 ppb	<5 ppb
Nickel (Ni)	10 ppb	<5 ppb
Potassium (K)	50 ppb	<20 ppb
Platinum (Pt)	50 ppb	<20 ppb
Silver (Ag)	10 ppb	<5 ppb
Sodium (Na)	100 ppb	<50 ppb
Strontium (Sr)	10 ppb	<5 ppb
Tantalum (Ta)	10 ppb	<5 ppb
Thallium (Tl)	10 ppb	<5 ppb
Tin (Sn)	20 ppb	<10 ppb
Titanium (Ti)	10 ppb	<5 ppb
Vanadium (V)	10 ppb	<5 ppb
Zinc (Zn)	20 ppb	<10 ppb
Zirconium (Zr)	10 ppb	<5 ppb
Particles		
<250 particules par ml de 0.5 µm		

The lab manager

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